O038-09416-02

ADDENDUM NUMBER 1

MARCUS CENTER FOR THE PERFORMING ARTS HVAC RETROFIT PHASE 2 & 3 Site #270, Bldg. #50 929 North Water Street Milwaukee, Wisconsin

Project Number: O038-09416-02

Date of Addendum: November 26, 2010

This Addendum to the Contract Documents is issued to modify, explain or correct the original documents, dated November 5, 2010, and is hereby made part of the Contract Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form, or bid may be rejected.

BIDDING AND CONTRACT DOCUMENTS

Bidding Forms

ADD Bid Form Page 00400-2a attached to and issued as part of Addendum 1.

Section 01230 - ALTERNATIVES

ADD the following to Article 1.1, Paragraph C:

6. Alternative Deduct #6:

Provide an alternative deduct price to OMIT all work associated with providing and installing DDC controls and integration into the existing head—end DDC controls system installed under Phase 1 of this project for the main steam valve for the Marcus Center.

7. Alternative Deduct #7:

Provide an alternative deduct price to OMIT all work associated with providing and installing DDC controls and integration into the existing head—end DDC controls system installed under Phase 1 of hot water radiant ceiling panels located in the ceiling of the 400 Level Promenade indicated as Corr. 4-19 on Drawing M403.

8. Alternative Deduct #8:

Provide an alternative deduct price to OMIT all work associated with providing and installing DDC controls and integration into the existing head—end DDC controls system installed under Phase 1 of the hot water perimeter radiation located on the 600 Level Office Area indicated on Drawing M101.

9. Alternative Deduct #9:

Provide an alternative deduct price to OMIT, all work associated with providing and installing DDC controls and integration into the existing head—end DDC controls system installed under Phase 1 of the existing chillers and associated pumps located in Mechanical Room B-85.

Section 23 09 23 - DIRECT DIGITAL CONTROL SYSTEM FOR HVAC

Part 1 - General, Section 1.07 Description of Work.

ADD The following paragraphs:

- F. Provide and install all necessary DDC controls components for the main steam valve serving the Marcus Center facility. Integrate the new DDC controls components into the new headend DDC controls system that was installed under Phase 1 of this project.
- G. Provide and install all necessary DDC controls components for the valves serving the hot water radiant ceiling panels (30 panels total) located in the ceiling of the 400 Level Promenade indicated as Corr. 4-19 on Drawing M403. Integrate the new DDC controls components into the new head-end DDC controls system that was installed under Phase 1 of this project.

- H. Provide and install all necessary DDC controls components for the valves serving the hot water perimeter radiation (28 zones total) of the 600 Level Office Area on Drawing M101. Integrate the new DDC controls components into the new head-end DDC controls system that was installed under Phase 1 of this project.
- Provide and install all necessary DDC controls components for control of the existing chillers and associated pumps located in mechanical room B-85. Integrate the new DDC controls components into the new head-end DDC controls system that was installed under Phase 1 of this project.
- J. Provide and install all necessary DDC controls components for control of the new kitchen grease exhaust hood, kitchen exhaust fan, and associated controls and sensors. Integrate the new DDC controls components into the new head-end DDC controls system that was installed under Phase 1 of this project.

DRAWINGS

HVAC

Sheet A2 - Dishwasher Room Floor Plan - New Work

Provide an 8' long by 4' tall acoustical screen on roof 3'-6" away from side of new kitchen exhaust fan KEF-1. Mount acoustical screen to roof, provide adequate lateral supports for acoustical screen. Flash all supports into existing roofing assembly.

Sheet M401 - Enlarged Mechanical Room - Ductwork

Provide a 24" x 24" motorized return air damper in the return ductwork connection to the 24" wide plenum box at the end of air handling unit 2S6.

Provide a 24" wide duct plenum at the intake end of air handling unit 2S1, connect outside air ductwork to top of duct plenum, connect return air ductwork discharge from return fan 2E1 to side of duct plenum with 24" x 74" motorized return air damper.

Sheet M901- HVAC Schedules

1. REVISE Air Flow Measuring Schedule to read as follows:

AFMS-1: Duct Size: 38' x 20" AFMS-2: Duct Size: 40" x 24"

AFMS-5: Service: 2S3 Supply Air, Duct Size 38" x 20" AFMS-6: Service: 2S3 Outside Air, Duct Size 40" x 24" AFMS-9: Service: 2S2 Supply Air, Duct Size 24" x 24" AFMS-10: Service: 2S2 Outside Air, Duct Size 40" x 24"

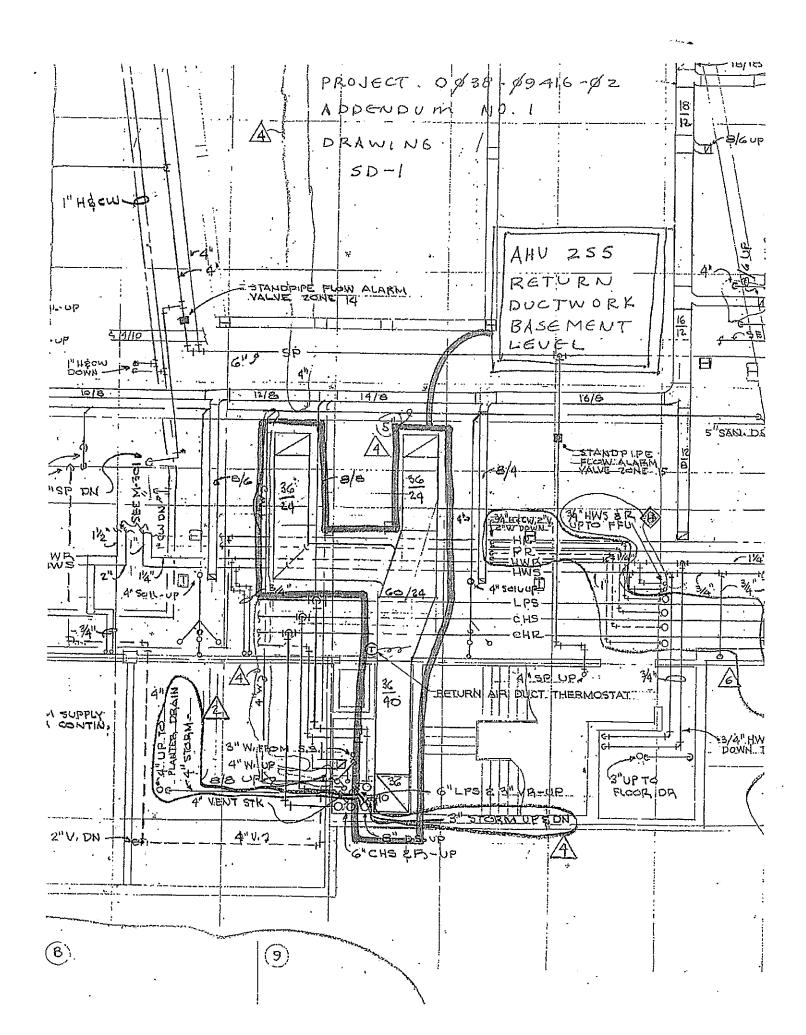
Supplemental Drawings: See the attached drawings (SD-1, SD-2, SD-3, SD-4, SD-5) for the extents of ductwork associated with Air Handling Unit 2S5 for the scope of ductwork cleaning.

End of Addendum No. 1

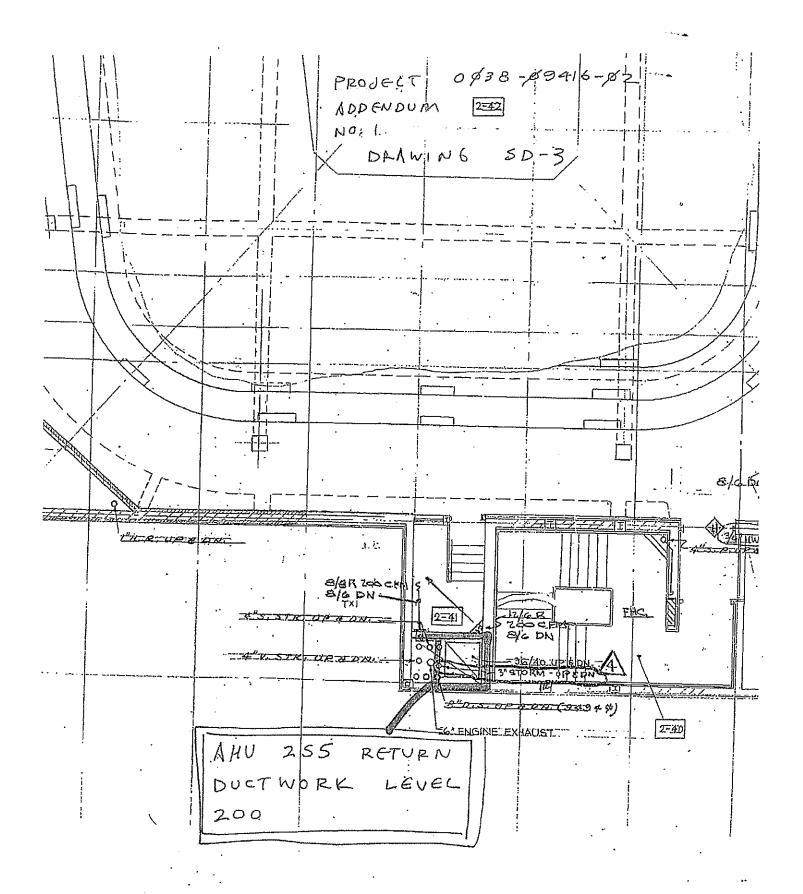
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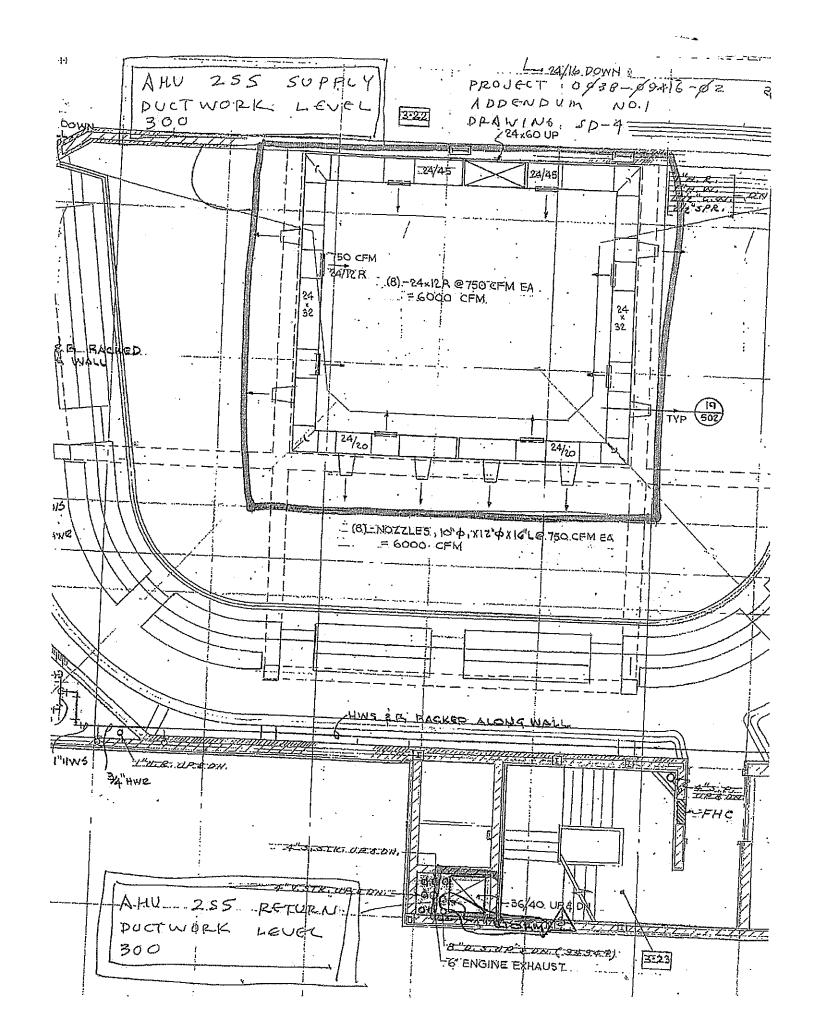
- ...

| Alternative Deduct #6: |
|--|
| Provide an alternative deduct price to OMIT all work associated with providing and installing DDC |
| controls and integration into the existing head-end DDC controls system installed under Phase 1 |
| of this project for the main steam valve for the Marcus Center. |
| |
| (In words) |
| (iii Holdo) |
| Dollars \$ |
| Dollars \$ (In figures) |
| |
| Alternative Deduct #7: |
| Provide an alternative deduct price to OMIT all work associated with providing and installing DDC |
| controls and integration into the existing head-end DDC controls system installed under Phase 1 |
| of hot water radiant ceiling panels located in the ceiling of the 400 Level Promenade indicated as |
| Corr. 4-19 on Drawing M403. |
| |
| · (In words) |
| (in words) |
| Dellere © |
| Dollars \$ (In figures) |
| (|
| Alternative Deduct #8: |
| Provide an alternative deduct price to OMIT all work associated with providing and installing DDC |
| controls and integration into the existing head-end DDC controls system installed under Phase 1 |
| of the hot water perimeter radiation located on the 600 Level Office Area indicated on Drawing |
| M101. |
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| |
| (In words) |
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| Dollars \$(In figures) |
| (in rigures) |
| Alternative Darlock 40. |
| Alternative Deduct #9: Provide an alternative deduct price to OMIT all work associated with providing and installing DDC |
| controls and integration into the existing head-end DDC controls system installed under Phase 1 |
| of the existing chillers and associated pumps located in Mechanical Room B-85. |
| of the existing entitled and accordated pumps located in meeting in terms 2 ee. |
| |
| (In words) |
| |
| Dollars \$ |
| (In figures) |



411/4 PROJECT 0,038-00416-02 ADDENDYM NO. DRAWING 50-2 T-56 \$6 b AUDITORIUM EXH.
24 P G. AT SEATS
12,000 CFM TRANSFER
TO PLENUM UNDER SEATS 5. nepat 16 8 DH 15,000 15,000 255 RETURK DUCTWORK LEVEL 100 \$K.B يجحيدانه @ 36/20 POWN BELOW SEAT 1 CUB-8/12 DNY 8/6 R 200 CHM 8/6 COWN-TXI GAUR DO CEM 8/1 DOWN-TXI **1355** EWC 1887年1 10/10 18/12: E69 CONV. SO ME ER DOMN TELEVEL BY DY =FM) MEDH -- CONV. -্বত 7-52 AHU 255 RETURN DUCTWOR LEVEL G"LPS, 3 VA G"GHSER 18 10 2 00 00x (24949) 100 6" FENGINE EXHAUST





240 , 240 , TO WALL - 2 ACTIVE SECTIONS @ 5-0" 4.25かきて 16 = 8 UP SEE SHT M-302 57NBH SUPPLY MHU 255 AN CLOSET TOOL CERT TO G IN LEVEL. 60724 DUCT-UP & DN. DUCTWORK MUFFLER IN RISE. 400.0. COMBH ---TOWNETT HAT GOVE PROJECT 0 \$38-09416-10 ADDENDUM NO. 1 SD-5 DANWING FALSE: COVER"_ SEE ARCHIDMOS CURROR. PN; 1/2 | 4'-0" FIG 24L; 6D, 18H, CONV 4.0 MBH AHU 255 RETURN DUCTWORK LEYEC 6"ENGINE EXH. - UP & DHT 400 8"DISTUP PART (94.94.6) 4-2I Ъ° СН.З.